

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/546,139A
Source: 1FW9
Date Processed by STIC: 7/19/06

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RAW SEQUENCE LISTING

DATE: 07/19/2006

PATENT APPLICATION: US/10/546,139A

TIME: 08:44:17

Input Set : A:\34076-US-2.ST25.txt

Output Set: N:\CRF4\07192006\J546139A.raw

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3 <110> APPLICANT: Chateau, Michel
4      Gonzalez, Benjamin
5      Meynial-Salles, Isabelle
6      Soucaille, Philippe Noel Paul
7      Zink, Olivier
9 <120> TITLE OF INVENTION: Method for the Production of Evolved Microorganisms Which
Permit the Generation or Modification of Metabolic Pathways
12 <130> FILE REFERENCE: 34076/US/2 (456180-00005)
14 <140> CURRENT APPLICATION NUMBER: US 10/546,139A
C--> 15 <141> CURRENT FILING DATE: 2005-08-17
17 <150> PRIOR APPLICATION NUMBER: PCT/FR2004/000354
18 <151> PRIOR FILING DATE: 2004-02-17
20 <150> PRIOR APPLICATION NUMBER: FR0301924
21 <151> PRIOR FILING DATE: 2003-11-06
23 <150> PRIOR APPLICATION NUMBER: FR00305768
24 <151> PRIOR FILING DATE: 2003-05-14
26 <150> PRIOR APPLICATION NUMBER: FR00305769
27 <151> PRIOR FILING DATE: 2003-05-14
29 <150> PRIOR APPLICATION NUMBER: FR00301924
30 <151> PRIOR FILING DATE: 2003-02-18
32 <160> NUMBER OF SEQ ID NOS: 42
34 <170> SOFTWARE: PatentIn version 3.3
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37 <211> LENGTH: 100
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39 <213> ORGANISM: Artificial
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53 <213> ORGANISM: Artificial
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56 <223> OTHER INFORMATION: Synthetic
58 <400> SEQUENCE: 2
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61 aagcgcaaga aagttattgg tgtaggctgg agctgcttcg      100
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 30
66 <212> TYPE: DNA

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91 <213> ORGANISM: Escherichia coli
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96 ggttgcggtg tcccaccgat ccatctttcc agcacctata actttaccgg atttaatgaa 120
98 ccgcgcgcgc atgattactc gcgtcgcggc aacccaacgc gcgatgtggt tcagcgtgcg 180
100 ctggcagaac tggaaggtgg tgctggtgca gtacttacta ataccggcat gtccgcgatt 240
102 cacctggtaa cgaccgtctt tttgaaacct ggcatctgct tgggtgcgcc gcacgactgc 300
104 tacggcggtg gctatcgctt gttcgacagt ctggcgaaac gcggttgcta tcgcgtggtg 360
106 tttgttgatc aaggcgatga acaggcatta cgggcagcgc tggcagaaaa acccaaactg 420
108 gtactggtag aaagcccaag taatccattg ttacgcgtcg tggatattgc gaaaatctgc 480
110 catctggcaa gggaagtcgg ggcggtgagc gtggtggata acaccttctt aagcccggca 540
112 ttacaaaatc cgctggcatt aggtgccgat ctggtggtgc attcatgcac gaaatatctg 600
114 aacggtcact cagacgtagt ggccggcgct gtgattgcta aagacccgga cgttgtcact 660
116 gaactggcct ggtgggcaaa caatattggc gtgacgggcg gcgcgtttga cagctatctg 720
118 ctgctacgtg ggttgcgcaac gctggtgccg cgtatggagc tggcgcgagc caacgcgcag 780
120 gcgattgtga aatacctgca aaccagcccg ttggtgaaaa aactgtatca cccgtcgttg 840
122 ccggaaaaatc aggggcgatg aattgccgcg cgccagcaaa aaggctttgg cgcaatggtg 900
124 agttttgaac tggatggcga tgagcagacg ctgcgtcggt tcctgggagg gctgtcggtg 960
126 tttacgctgg cggaatcatt agggggagtg gaaagtttaa tctctcacgc cgcaaccatg 1020
128 acacatgcag gcatggcacc agaagcgctg gctgccgccc ggatctccga gacgctgctg 1080
130 cgtatctcca ccggtattga agatggcgaa gatttaattg ccgacctgga aaatggcttc 1140
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136 <211> LENGTH: 10
137 <212> TYPE: PRT
138 <213> ORGANISM: Escherichia coli
140 <400> SEQUENCE: 6
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143 1 5 10
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147 <211> LENGTH: 1161
148 <212> TYPE: DNA
149 <213> ORGANISM: Escherichia coli

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156 ccgcgcgcgc atgattactc gcgtcgcggc aacccaacgc gcgatgtggt tcagcgtgcg    180
158 ctggcagaac tggaaagtgg tgctggtgca gtacttacta ataccggcat gtccgcgatt    240
160 cacctggtaa cgaccgtctt ttgaaacct ggcgatctgc tggttgcgcc gcacgactgc    300
162 tacggcggta gctatcgctt gttcgacagt ctggcgaaac gcggttgcta tcgcgtgttg    360
164 tttgttgatc aaggcgatga acaggcatta cgggcagcgc tggcagaaaa acccaaactg    420
166 gtactggtag aaagcccaag taatccattg ttacgcgtcg tggatattgc gaaaatctgc    480
168 catctggcaa gggaagtcgg ggcggtgagc gtggtggata acaccttctt aagcccggca    540
170 ttacaaaatc cgctggcatt aggtgccgat ctggtgttgc attcatgcac gaaatatctg    600
172 aacggtcact cagacgtagt ggccggcgctg gtgattgcta aagacccgga cgttgtcact    660
174 gaactggcct ggtgggcaaa caatattggc gtgacgggcg gcgcgtttga cagctatctg    720
176 ctgctacgtg ggttgcgaaac gctggtgccg cgtatggagc tggcgcagcg caacgcgcag    780
178 gcgattgtga aataacctga aaccagccg ttggtgaaaa aactgtatca cccgtcgttg    840
180 ccggaaaatc aggggcatga aattgccgcg cgccagcaaa aaggctttgg cgcaatgttg    900
182 agttttgaac tggatggcga tgagcagacg ctgcgtcggt tcctgggcgg gctgtcgttg    960
184 tttacgctgg cggcatcatt agggggagtg gaaagtttaa tctctcacgc cgcaaccatg   1020
186 acacatgcag gcatggcacc agaagtgcgt gctgccgcg ggatctccga gacgctgctg   1080
188 cgtatctcca ccggtattga agatggcgaa gatttaattg ccgacctgga aaatggcttc   1140
190 cgggctgcaa acaaggggta a
193 <210> SEQ ID NO: 8
194 <211> LENGTH: 5
195 <212> TYPE: PRT
196 <213> ORGANISM: Escherichia coli
198 <400> SEQUENCE: 8
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201 1      5
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205 <211> LENGTH: 30
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
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213 ggtacagaaa ccagcaggct gaggatcagc      30
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217 <211> LENGTH: 100
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219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Synthetic
224 <400> SEQUENCE: 10
225 tatgcagctg acgaccttcc gcccctgcct gcgcaatcac actcattttt accccttggt      60
227 tgcagcccg aagccatttt caggcaccag agtaaactt      100
230 <210> SEQ ID NO: 11
231 <211> LENGTH: 30
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial

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235 <220> FEATURE:
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243 <211> LENGTH: 32
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Synthetic
250 <400> SEQUENCE: 12
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255 <211> LENGTH: 72
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial
259 <220> FEATURE:
260 <223> OTHER INFORMATION: Synthetic
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265 tatectcctt ag 72
268 <210> SEQ ID NO: 14
269 <211> LENGTH: 100
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Synthetic
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283 <211> LENGTH: 100
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Synthetic
290 <400> SEQUENCE: 15
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293 cccgatgatg gtagaataac catatgaata tcctccttag 100
296 <210> SEQ ID NO: 16
297 <211> LENGTH: 100
298 <212> TYPE: DNA
299 <213> ORGANISM: Artificial
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Synthetic
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305 agtaagattt ttgaagataa ctcgctgact atcggtcaca cgccgctggg tcgcctgaat 60
307 cgcacggtgta acggacgcat tgtaggctgg agctgcttcg 100
310 <210> SEQ ID NO: 17

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313 <213> ORGANISM: Artificial
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316 <223> OTHER INFORMATION: Synthetic
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321 cgatcgcaga tgatcgccac catatgaata tcctccttag      100
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325 <211> LENGTH: 100
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Synthetic
332 <400> SEQUENCE: 18
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335 gataacggca gtgaagtgtg tgtaggctgg agctgcttcg      100
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339 <211> LENGTH: 30
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Synthetic
346 <400> SEQUENCE: 19
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351 <211> LENGTH: 30
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial
355 <220> FEATURE:
356 <223> OTHER INFORMATION: Synthetic
358 <400> SEQUENCE: 20
359 ggcgcgacgg cgatgtgggt cgattgctat      30
362 <210> SEQ ID NO: 21
363 <211> LENGTH: 30
364 <212> TYPE: DNA
365 <213> ORGANISM: Artificial
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Synthetic
370 <400> SEQUENCE: 21
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374 <210> SEQ ID NO: 22
375 <211> LENGTH: 30
376 <212> TYPE: DNA
377 <213> ORGANISM: Artificial
379 <220> FEATURE:
380 <223> OTHER INFORMATION: Synthetic
382 <400> SEQUENCE: 22
383 gcgcgcatcg ctggccgctg ggctacacac      30

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/19/2006
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Input Set : A:\34076-US-2.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30

Seq#:31,32,33,34,35,36,37,38,39,40,41,42

VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date